



GOLD PURITY DENSITY TESTER TTD-300K/600K

Gold Purity Density Tester TTD-300K/600K tailored for precious metals, accommodating general-size samples with dimensions of 148 x 100 x 85mm.

Maximum Weight Capacity: 300g / 600g

Purity Precision: 100% or 100.0%

Density Meter, Density Tester, Densimeter, Specific Gravity Tester

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APPLICATIONS

Suitable for

Suitable for the jewelry industry, banks, pawnshops, and gold and precious metal research laboratories.

Principle

Using the Archimedean principle's buoyancy method, gold karat, density, and purity percentage can be rapidly and accurately displayed.

Mode

1. Gold Purity Measurement Mode – Measures gold purity.
2. Platinum Purity Measurement Mode – Measures platinum purity.
3. Alloy Purity and Density Measurement Mode 1 – Measures the purity of other precious metals.
4. Alloy Purity and Density Measurement Mode 2 – Measures the purity of other precious metals.

FEATURES

- Gold Purity Density Tester TTD-300K/600K equipped with RS-232 and USB interfaces for connectivity.
- Infrared temperature sensors automatically detect and compensate for water temperature variations.
- Enables quick and accurate determination of precious metal purity percentage and gold Karat number in just two measurement steps.
- Leaves no trace of contamination after measurement, eliminating the need for sulfuric acid solution or standard test samples.
- Special software design directly displays gold Karat number and purity percentage, including variations like gold-copper-silver, gold-silver, and gold-copper.
- Features a setting function for the lower limit of the Karat value, allowing for Karat number adjustment from 1 to 24K.
- Offers a function to set the lower limit of PT value, allowing PT value adjustment from 1 to 1000.

- Capable of measuring the purity of various other precious metals, including platinum, silver, palladium, copper, rhodium, and more.
- Unable to test samples with gems and hollows; however, it can function as a general balance.
- Utilizes a large tank design to minimize errors due to the buoyancy of the hanging rail. The water tank size is 148 × 100 × 85mm.

TECHNICAL SPECIFICATIONS

Model		TTD-300K	TTD-600K
Max Weight		300g	600g
Weighing Precision		0.01g	
Density Precision		0.001g/cm ³	
Gold Mode	Karat	1K and 0.1K display (switchable)	
	Purity	1% and 0.1% display (switchable)	
PT Mode	PT	25PT and 1PT display (switchable)	
	Purity	1% and 0.1% display (switchable)	
Alloy Mode		1% and 0.1% display (switchable)	

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